



B O R O U G H

OF

M A L M E S B U R Y

1972

BOROUGH OF MALMESBURY

THE

A N N U A L R E P O R T

OF THE

M E D I C A L O F F I C E R O F H E A L T H

FOR THE

YEAR ENDED

31st DECEMBER, 1972

PUBLIC HEALTH OFFICERS OF THE AUTHORITY

MEDICAL OFFICER OF HEALTH

John R. Wray, M.R.C.S., L.R.C.P., D.P.H., M.F.C.M.

Offices: Municipal Offices,
Monkton Hill,
Chippenham.
Tel. No. Chippenham 2821.

Also: Medical Officer of Health for the
Boroughs of Calne and Chippenham,
and the Rural Districts of
Malmesbury and Calne and Chippenham.

Medical Officer, Wiltshire County
Council.

School Medical Officer.

SENIOR PUBLIC HEALTH INSPECTOR

H. Todd, M.A.P.H.I.

Mr. Todd, in addition, carries out the duties
of Borough Surveyor.

SECRETARY TO THE MEDICAL OFFICER OF HEALTH

Mrs. V.L. Gregory.

PUBLIC HEALTH COMMITTEE

The General Purposes Committee of the Council
deals with all matters pertaining to Public
Health.

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The Mayor, Aldermen and Councillors of the
Malmesbury Borough Council.

Mr. Mayor, Aldermen and Councillors,

The Annual Report for 1972 gives the vital statistics for the Borough, and the causes of death as supplied by the Registrar General in May 1973.

No notifiable diseases were reported during the year, and there were no outstanding health problems to report.

I should like to thank the Council and its Officers for making my work in Wiltshire interesting and happy.

I have the honour to be,
Your obedient Servant,

JOHN R. WRAY

Medical Officer of Health.

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GENERAL STATISTICS

Area (in acres)	227
Population (Registrar General's estimate)	2,540
Number of inhabited houses at 31.12.72	955
Number of Council dwellings at 31.12.72	268
Number of applicants for Council dwellings at 31.12.72	190
Rateable value at 1.4.72	£99,006
Penny Rate Product for 1972/73	£ 934

VITAL STATISTICS

BIRTH AND DEATH RATES

Birth and Death Rates as compared with other areas
(Births and Deaths per 1,000 population standardised*)

			<u>Birth Rate:</u>		<u>Death Rate:</u>	
			<u>1971</u>	<u>1972</u>	<u>1971</u>	<u>1972</u>
Malmesbury Borough	...	...	18.5	15.0	16.9	15.5
Malmesbury R.D.C.	...	...	17.4	15.8	12.2	14.8
Wiltshire	...	...	17.4	16.4	10.5	10.9
England and Wales	...	...	16.0	14.8	11.6	12.1

*Comparability figures are supplied to each District by the Registrar General. These take into account the varying age/sex distribution of the population in different parts of the country. When applied to the local rates, they allow a more accurate comparison to be made between different areas.

LIVE BIRTHS

			<u>Males:</u>	<u>Females:</u>	<u>Total:</u>
Legitimate	...	...	9	25	34
Illegitimate	...	...	-	-	-

STILL BIRTHS

There were no still births notified during 1972.

DEATHS

The following deaths were notified during 1972:-

<u>Males:</u>	<u>Females:</u>	<u>Total:</u>
23	36	59

Thirteen of these deaths were in persons aged over 65, thirty-three being persons aged over 75.

ANALYSIS OF CAUSES OF DEATH

	<u>Males:</u>	<u>Females:</u>	<u>Total:</u>
<u>15 - 24 years</u>			
Motor vehicle accidents	1	-	1
<u>25 - 34 years</u>			
Other malignant neoplasms	1	-	1
<u>45 - 54 years</u>			
Malignant neoplasm, breast	-	1	
Ischaemic heart disease	1	-	
Bronchitis and emphysema	1	-	
	2	1	3
<u>55 - 64 years</u>			
Malignant neoplasm, lung, bronchus	1	-	
Malignant neoplasm, breast	-	1	
Other malignant neoplasms	1	-	
Ischaemic heart disease	-	2	
Cerebrovascular disease	1	-	
Pneumonia	-	1	
Motor vehicle accidents	-	1	
	3	5	8
<u>65 - 74 years</u>			
Malignant neoplasm, lung, bronchus	2	-	
Hypertensive disease	-	1	
Ischaemic heart disease	-	1	
Other forms of heart disease	1	-	
Cerebrovascular disease	2	-	
Other diseases of circulatory system	-	1	
Pneumonia	-	1	
Bronchitis and emphysema	1	1	
Other diseases of digestive system	-	1	
All other external causes	-	1	
	6	7	13
<u>75 years and over</u>			
Malignant neoplasm, stomach	-	1	
Malignant neoplasm, intestine	-	1	
Malignant neoplasm, lung, bronchus	-	1	
Malignant neoplasm, prostate	1	-	
Other malignant neoplasms	-	2	
Ischaemic heart disease	3	7	
Other forms of heart disease	-	3	
Cerebrovascular disease	3	3	
Other diseases of circulatory system	1	3	
Pneumonia	1	1	
Bronchitis and emphysema	1	-	
Symptoms and ill defined conditions	-	1	
	10	23	33

I am grateful to Dr. C.D.L. Lycett, the County Medical Officer of Health, for the following immunisation statistics carried out in the Borough during 1972:-

		Children born in years					1963	1957	Others
		1972	1971	1970	1969	1968	-67	-62	under 16
Primary imms. completed during 1972	Diph.	31	26	1	-	-	-	-	-
	Wh.cough	31	24	1	-	-	-	-	-
	Tetanus	31	26	1	-	-	-	-	-
	Measles	-	45	5	-	1	4	1	-
	Polio	31	25	1	-	1	-	-	-
Reinforcing imms. given in 1972	Diph.	-	20	36	1	20	42	-	-
	Wh.cough	-	19	35	-	1	-	-	-
	Tetanus	-	20	36	1	20	42	-	-
	Polio	-	20	33	2	19	42	-	-

SMALLPOX *

Age Group:	Months				Years		
	0-3	3-6	6-9	9-12	1	2-4	5-15
Vaccinations	-	-	-	-	-	-	1
Re-vaccinations	-	-	-	-	-	-	2

* N.B. Vaccination discontinued as a routine measure in early childhood September 1971.

WATER SUPPLIES

I am indebted to the Chief Engineer to the North Wilts. Water Board, Mr. R. Farrage, for the following report:-

Development:

During the year under review the borehole at Lacock has been completed and tested satisfactorily.

A scheme for the development of the Easterton Borehole, including further storage capacity for the Market Lavington area, has been approved by the Board.

An experimental treatment plant for the removal of dissolved iron in the waters obtained from the greensand has been installed and is being commissioned at Bishops Cannings. If this plant proves satisfactory the Board intends to install similar treatment plants at other sources associated with this iron problem.

Due to the ever increasing demand for water the Board's standby borehole at Milbourne is being brought into commission and an additional 1½ million gallon reinforced concrete reservoir is being built at Allington to increase the storage capacity for the Chippenham area and the surrounding rural district.

<u>Consumption:</u>	<u>1971</u>	<u>1972</u>
Average Daily Consumption in million galls.	9.44	10.06
Metered Supplies 	3.29	3.31
Unmetered Supplies 	6.15	6.75

The Board is still meeting this demand with some reserves.

Bacteriological Examination of Water:

(a) Samples taken from consumers' supply points

During the year 1,234 samples from consumers' supply points were examined, of these 1,162 were satisfactory, having coliform counts of less than 1; 46 were reported to have coliform counts of 1 - 2; 26 were reported to have coliform counts of 3 or more.

On the occasions when reports of coliform counts were received from the Laboratory, investigations and repeated samplings were undertaken and continued until satisfactory reports were received.

(b) Samples taken from sources

695 samples of water from sources were submitted for examination. These tests showed:-

Excellent:	Coliform count of less than 1	...	638
Satisfactory:	" " " 1 - 3	...	44
Suspicious:	" " " 4 - 10	...	7
Unsatisfactory:	" " " more than 10	...	6

Samples excellent and satisfactory: 98.2%

Typical Analysis of Raw Waters:

	<u>Rodbourne</u> <u>Borehole</u> <u>p.p.m.</u> 20.9.72	<u>Charlton</u> <u>Borehole</u> <u>p.p.m.</u> 26.7.72
Colour	Nil	Nil
Odour	Nil	Nil
pH	6.9	7.3
Free CO ₂	65	26
Chloride	37	19
Hardness:	305	305
Carbonate	255	245
Non-Carbonate	50	60
Nitrate Nitrogen	0.6	3.0
Nitrite Nitrogen	0.01	Absent
Oxygen Absorbed	0.00	0.30
Alb. Nitrogen	0.00	0.00
Iron	Absent	0.04
Zinc	Absent	Absent
Other Metals	Absent	Absent
Fluoride	0.75	0.30

Chlorination of all sources is practised with the aim of obtaining chlorine residuals at all consumers' points of supply of between 0.1 and 0.3 p.p.m.

The Board continues to exercise supervision of the quality of raw water from all the sources by submitting samples to their Consultant Chemist, the Counties Public Health Laboratories, London, and any changes in chemical or mineralogical qualities of the water are reported upon by Mr. Gordon Miles, the Principal of those Laboratories.

Fluoride occurs naturally in quantities from 0.30 to 0.75 p.p.m. in the water obtained from the deep borehole sources in the limestone, but it is usually absent in the waters obtained from shallow wells and spring sources.

The Board is advised by its Consultant Chemists that none of the waters supplied is plumbo-solvent.

OTHER PUBLIC HEALTH MATTERS

These are given in the attached report of the Senior Public Health Inspector.

The Mayor, Aldermen and Councillors
of the Malmesbury Borough Council.

Gentlemen,

I have the honour to present the Public Health Inspector's section of this report, and in doing so take the opportunity of thanking Dr. Wray, other officers of the Council, County Council officials and officials of the North Wiltshire Water Board.

WATER SUPPLY

The water supply continued to be satisfactory both in quality and quantity despite the fact **that** the proposed new borehole was not put down as early as planned **and the low** rainfall.

Population served	...	...	...	...	...	2,580
Number supplied direct to houses	...	...	...	...	...	2,515
Number supplied by standpipe	...	...	...	...	...	35

SEWAGE DISPOSAL

The increased numbers of houses connected to the Sewage Works mainly from the Malmesbury Rural District, are causing the Sewage Works Staff to continually extend their hours of work. This is largely due to the size of the sludge drier and an additional unit will need to be provided in the near future.

The Northern Ring Sewer again showed evidence of over-charging, but the Council agreed to a proposal of their Consulting Engineers to provide an additional storm overflow at a convenient point.

COMMON LODGING HOUSES

There are no Common Lodging Houses in the Borough.

FOOD HYGIENE REGULATIONS, 1960

<u>Type of Shop</u>	<u>No.</u>	<u>No.</u> <u>Inspected</u>	<u>No.</u> <u>Unsatisfactory</u>	<u>No.</u> <u>Improved</u>
Grocers	11	4	-	-
Butchers	5	2	-	-
Greengrocers	2	1	-	-
Cafes and Restaurants	5	4	-	-
Hotels	5	2	-	-
Public Houses	4	4	-	-
Off Licences	2	1	-	-
Bread and Cake Shops	2	1	-	-
Wet Fish Shop	1	-	-	-
Sweet Shops	4	1	-	-
Fish and Chip Shops	2	1	-	-

POULTRY INSPECTION

There are no poultry establishments in the Borough.

MEAT INSPECTION REGULATIONS, 1963

100% meat inspection is carried out at one private slaughterhouse with the invaluable co-operation of a local veterinary partnership.

	<u>Beasts</u>	<u>Calves</u>	<u>Sheep</u>	<u>Pigs</u>
Inspected by Veterinary Surgeons	1174	34	631	3001
Inspected by Public Health Inspector	941	59	1100	2148
Total:	2115	93	1731	5149
Carcases condemned	11	3	2	10
% animals affected	0.523	3.225	0.130	19.42
Parts condemned	389	3	73	616
% animals affected	18.0	3.225	0.422	11.9
Parts condemned for T.B.	-	-	-	45
% animals affected	-	-	-	0.875
Parts condemned for C.B.	10	-	-	-
% animals affected	0.476	-	-	-
Carcases refrigerated	-	-	-	-

OFFICES, SHOPS AND RAILWAY PREMISES ACT, 1963

During the year general inspections were carried out at one office, two shops and one catering establishment. Three accidents were reported, one of which was investigated and the staircase modified as a result.

CARAVAN SITES AND CONTROL OF DEVELOPMENT ACT, 1960

One site only for twelve residential caravans which produced no problems during the year.

REFUSE COLLECTION AND DISPOSAL

The service continued to operate satisfactorily and produced no special problems.

FACTORIES ACT, 1961

The details requested in Circular 1/73 are summarised as follows:-

1. INSPECTIONS for purposes of provisions as to health (including inspections made by Public Health Inspectors)

<u>Premises</u>	<u>Number on Register</u>	<u>Number of Insp's.</u>	<u>Number of Written Notices</u>	<u>Number of Occupiers Prosecuted</u>
(1)	(2)	(3)	(4)	(5)
1) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities	-	-	-	-
2) Factories not included in 1 in which Section 7 is enforced by the Local Authority	19	4	-	-
3) Other premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises)	-	-	-	-
Total:	19	4	-	-

2. There were No Cases in which DEFECTS were found.

There are no Outworkers registered in this district. This item concludes my section of this Annual Report.

I am,
Your obedient Servant,

H. TODD

Public Health Inspector

